

Abstract

A melanin preparation as an immunostimulatory agent from at least one of the following botanicals: *Echinacea*, American ginseng, black walnut, green tea, *Parthenium integrifolium*, Korean ginseng, alfalfa sprouts, ginger, goldenseal, red clover, dandelion, black cohosh, licorice, chamomile, milk thistle, alfalfa, horsetail, astragalus, gotu kola, feverfew, valerian, hawthorn, rosemary, saw palmetto, ephedra, pau d'arco, ginkgo, garlic, St. John's wort, *Agaricus bisporus* (common mushroom), *Agaricus bisporus* brown strain (portabella mushroom), *Lentinus edodes* (shiitake mushroom) or *Boletus edulis* (porcini mushroom). Also disclosed is methods of treating a subject requiring immune mediation comprising administering to said subject a therapeutically effective amount of a melanin preparation from any one of the following botanicals: *Echinacea*, American ginseng, black walnut, green tea, *Parthenium integrifolium*, Korean ginseng, alfalfa sprouts, ginger, goldenseal, red clover, dandelion, black cohosh, licorice, chamomile, milk thistle, alfalfa, horsetail, astragalus, gotu kola, feverfew, valerian, hawthorn, rosemary, saw palmetto, ephedra, pau d'arco, ginkgo, garlic, St. John's wort, *Agaricus bisporus* (common mushroom), *Agaricus bisporus* brown strain (portabella mushroom), *Lentinus edodes* (shiitake mushroom), *Boletus edulis* (porcini mushroom).